

CLAIMS

What is claimed is:

1. A method of message communication, comprising:
transmitting a first message portion having a first characteristic; and
transmitting a second message portion having a second characteristic;
wherein the first characteristic provides a first probability of successful reception,
and the second characteristic provides a second probability of successful reception.
2. The method of Claim 1, wherein the first characteristic is a first power level, the second characteristic is a second power level, and the first power level is different from the second power level.
3. The method of Claim 1, wherein the first probability is different from the second probability.
4. The method of Claim 2, wherein the first message portion has a shorter duration than the second message portion.
5. The method of Claim 2, wherein the first message portion is shorter than the second message portion; the first power level is greater than the second power level; and the first probability is greater than the second probability.
6. The method of Claim 5, wherein the first message portion and the second message portion are associated with each other.
7. The method of Claim 1, further comprising receiving a first set of information, the first set of information including an indication of successful receipt of the first message portion and unsuccessful receipt of the second message portion.
8. The method of Claim 7, further comprising retransmitting at least the second message portion.

9. The method of Claim 7, further comprising receiving a second set of information, the second set of information including an identifier of a last successfully received message.

10. The method of Claim 9, further comprising retransmitting a plurality of previously transmitted message portions.

11. A method of message communication, comprising:
receiving, at a first time, a first message portion having a first energy per bit; and
receiving, at a second time, a second message portion having a second energy per bit, the second message portion being associated with the first message portion;
wherein the second time has a known temporal relationship to the first time.

12. The method of Claim 11, wherein the first energy is different from the second energy.

13. The method of Claim 11, wherein the first energy is greater than the second energy.

14. The method of Claim 11, further comprising transmitting an acknowledgment message indicating that the second message portion was successfully received.

15. The method of Claim 11, wherein the acknowledgment message includes a timestamp.

16. A method of message communication comprising:
receiving, at a first time, a first message portion having a first energy per bit; and
at a second time, receiving a signal from which a second message portion is not reliably obtained, the second message portion being associated with the first message portion;
wherein the second time has a known temporal relationship to the first time.

17. The method of Claim 16, further comprising transmitting a first set of information, the first set of information including an indication of successful receipt of the first message portion and unsuccessful receipt of the second message portion.

18. The method of Claim 17, further comprising transmitting a second set of information, the set of information including an identifier of a last successfully received message.

19. The method of Claim 18, wherein transmitting the second set of information occurs time contiguously with transmitting the first set of information.

20. The method of Claim 18, wherein the identifier of the last successfully received message includes a timestamp.

21. A method of communication, comprising:
transmitting at least one first message portion at a first energy per bit;
transmitting at least one second message portion at a second energy per bit;
receiving a request for retransmission of at least one second message portion; and
retransmitting the requested at least one second message portion at a third energy per bit;

wherein each second message portion is associated with a corresponding first message portion, and the third energy per bit is greater than the second energy per bit.

22. The method of Claim 21, wherein transmitting at least one second message portion is performed subsequent to transmitting at least one first message portion.

23. Apparatus for message communication, comprising:
means for transmitting a first message portion having a first characteristic; and
means for transmitting a second message portion having a second characteristic;
wherein the first characteristic provides a first probability of successful reception, and the second characteristic provides a second probability of successful reception.

24. The apparatus of Claim 23, wherein the first characteristic is a first power level, the second characteristic is a second power level, and the first power level is different from the second power level.

25. The apparatus of Claim 23, wherein the first probability is different from the second probability.

26. The apparatus of Claim 24, wherein the first message portion is configured with a shorter duration than the second message portion.

27. The apparatus of Claim 24, wherein the first message portion is configured to be shorter than the second message portion; the first power level is configured to be greater than the second power level; and the first probability is greater than the second probability.

28. The apparatus of Claim 27, wherein the first message portion and the second message portion are associated with each other.

29. The apparatus of Claim 23, further comprising means for receiving a first set of information including an indication of successful receipt of the first message portion and unsuccessful receipt of the second message portion.

30. The apparatus of Claim 29, further comprising means for retransmitting at least the second message portion.

31. The apparatus of Claim 29, further comprising means for receiving a second set of information, the second set of information including an identifier of a last successfully received message.

32. The apparatus of Claim 31, further comprising means for retransmitting a plurality of previously transmitted message portions.

33. Apparatus for message communication, comprising:

means for receiving, at a first time, a signal having a first message portion having a first energy per bit; and

means for receiving, at a second time, a signal having a second message portion having a second energy per bit, the second message portion being associated with the first message portion;

wherein the second time has a known temporal relationship to the first time.

34. The apparatus of Claim 33, wherein the first energy is configured to be different from the second energy.

35. The apparatus of Claim 33, wherein the first energy is configured to be greater than the second energy.

36. The apparatus of Claim 33, further comprising means for transmitting an acknowledgment message indicating that the second message portion was successfully received.

37. The apparatus of Claim 33, wherein the acknowledgment message is configured to include a timestamp.

38. Apparatus for message communication comprising:

means for receiving a signal, at a first time, having a first message portion with a first energy per bit; and

means for receiving a signal, at a second time, from which a second message portion is not reliably obtained, the second message portion being associated with the first message portion;

wherein the second time has a known temporal relationship to the first time.

39. The apparatus of Claim 38, further comprising means for transmitting a first set of information, the first set of information including an indication of successful receipt of the first message portion and unsuccessful receipt of the second message portion.

40. The apparatus of Claim 39, further comprising means for transmitting a second set of information, the set of information including an identifier of a last successfully received message.

41. The apparatus of Claim 40, wherein transmitting the second set of information occurs time contiguously with transmitting the first set of information.

42. The apparatus of Claim 40, wherein the identifier of the last successfully received message includes a timestamp.

43. Apparatus for communication, comprising:
means for transmitting at least one first message portion at a first energy per bit;
means for transmitting at least one second message portion at a second energy per bit;
means for receiving a request for retransmission of at least one second message portion; and
means for retransmitting the requested at least one second message portion at a third energy per bit;
wherein each second message portion is associated with a corresponding first message portion, and the third energy per bit is greater than the second energy per bit.

44. The apparatus of Claim 43, configured to transmit at least one second message portion subsequent to transmitting at least one first message portion.